

IX.3.3C-SYSTEM-FCASSM COMMON BLOCK FCASSM

Purpose

Common block FCASSM stores run time control information specific to the Assimilator Operation.

Listing

COMMON /FCASSM/ INASSIM,ASSMRUN,ASSMPAR,PRSEN,KPTIME,LWORKMX

Description of Variables

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
INASSIM	I*4	1	1	Indicates whether the Operation ASSIM has been entered during an execution of the Operations table: 0 = ASSIM has not been entered 1 = ASSIM has been entered
ASSMRUN	I*4	2	1	Indicator if ASSIM is to be run and if so whether an optimization or an incorporate run is to be made: 0 = ignore assimilator 1 = optimization run 2 = incorporate run
ASSMPAR	I*4	3	1	Indicator if soil moisture states and/or precipitation are adjusted to be: 1 = use precipitation only 2 = use states only 3 = use both precipitation and states
PRSEN	I*4	4	1	Indicator which controls the status of the precipitation sensitivity option: 0 = ignore sensitivity analysis 1 = use sensitivity analysis
KPTIME	I*4	5	1	Indicator if controls which set of initial Kp values are to be used: 0 = use Kp values from

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
				previous run 1 = use a value of 1.0 for initial Kp values
LWORKMX	I*4	6	1	In program FCINIT: the size of the maximum work space used by any of the Operations included in the assimilator loop In program FCST: a variable which tells LDRV50 whether IFILLC should be zero